



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Continental Glass Systems, Inc.
325 West 74th Place
Hialeah, Fl. 33014

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "5000" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **FXD-5000-L.M.**, titled "Series 5000 Large Small Missile", sheets 1 to 7 of 7, dated 04/18/08, with revision #3 dated 03-23-12, prepared by the manufacturer, signed and sealed by Kelvyn Whitfield, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **08-0926.14** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Handwritten signature
5/16/12

NOA No. 11-1012.06
Expiration Date: October 26, 2016
Approval Date: May 24, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **FXD-5000-L.M.**, titled "Series 5000 – Fixed - Large Missile", sheets 1 to 7 of 7, dated 04/18/08, with revision #3 dated 03/23/12, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, P.E.

B. TESTS


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a aluminum fixed windows mulled together, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6639**, dated 09/06/11, signed and sealed by Marlin D. Brinson, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of aluminum fixed windows mulled together, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-4872**, dated 03/14/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA # 06-0711.09)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, dated 09/11/11, 11/15/11 and 04/20/12, prepared, signed and sealed by Kelvyn A. Whitfield, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1012.06
Expiration Date: October 26, 2016
Approval Date: May 24, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

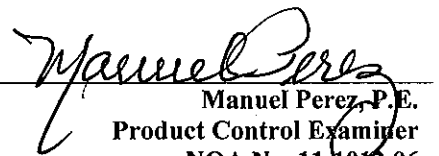
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS issued by

1. Statement letter of conformance with the FBC-2007 and FBC-2010, dated September 30, 2011, signed and sealed by Kelvyn A. Whitfield, P.E.
2. Statement letter of no financial interest, dated September 30, 2011, signed and sealed by Kelvyn A. Whitfield, P.E.
3. Testing program issued by BNC to Continental Glass Systems, dated 08/18/11, signed by Manuel Perez, P.E. Product Control Examiner.

G. OTHER

1. Notice of Acceptance No. **08-0926.14**, issued to Continental Glass Systems, Inc. for their Series 5000 Aluminum Fixed Window – L.M.I., approved on 05/27/09 and expiring on 10/26/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1012.06
Expiration Date: October 26, 2016
Approval Date: May 24, 2011

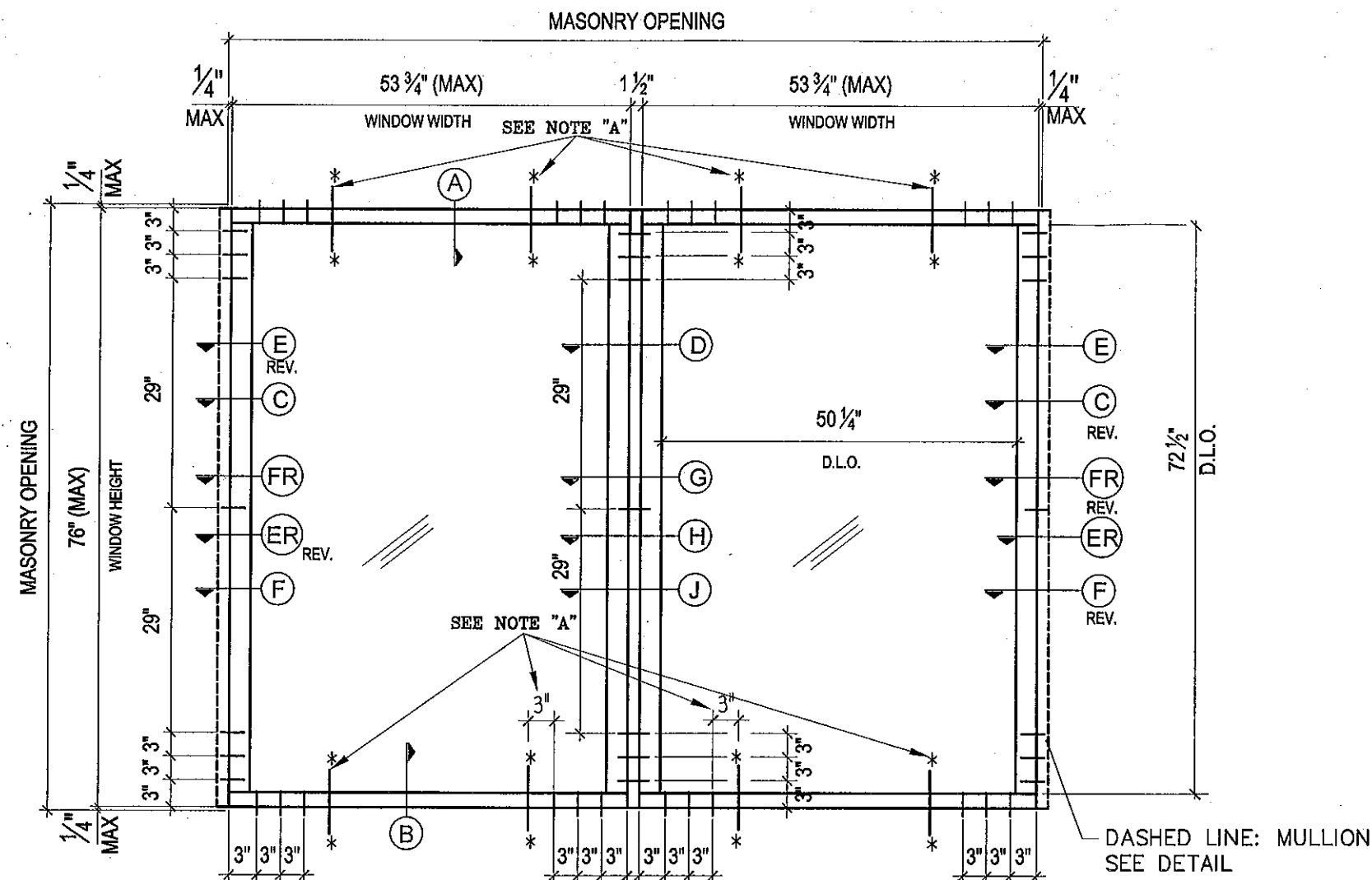
SERIES 5000 FIXED WINDOW LARGE MISSILE IMPACT

Continental Glass Systems Inc
325 West 74 Place
Hialeah Florida, 33014
Phone 305-231-1101 Fax 305-231-1103

Series 5000
FIXED
LARGE MISSILE

No	Date	By	Description
1	11-19-08		RENEWAL
2	11-15-11		RENEWAL
3	03-23-12		RENEWAL

Date	4-18-08
Scale	N.T.S.
Design by	G. S.
Drawing by	RICHARD
Checked by	G. S.
Drawing No.	FXD-5000-L.M.
Sheet 1	of 7



FIXED WINDOW ELEVATION
EXTERIOR VIEW

NOTE "A"	Design Load Capacity (P. S. F.)	
	Positive	Negative
	110	110
"A"	110	140

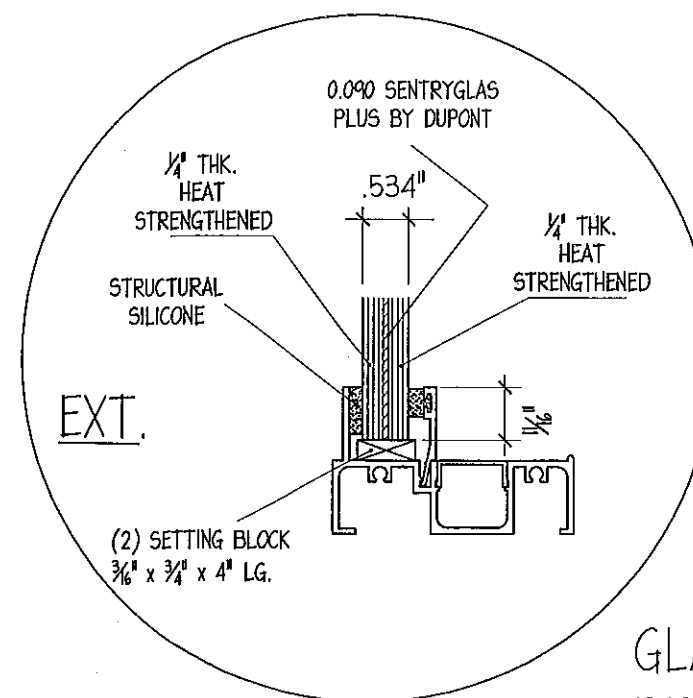
NOTE "A"

* ADD (2) ANCHORS TOP & BOTTOM
FOR 140 P.S.F. LOAD.

NOTES:

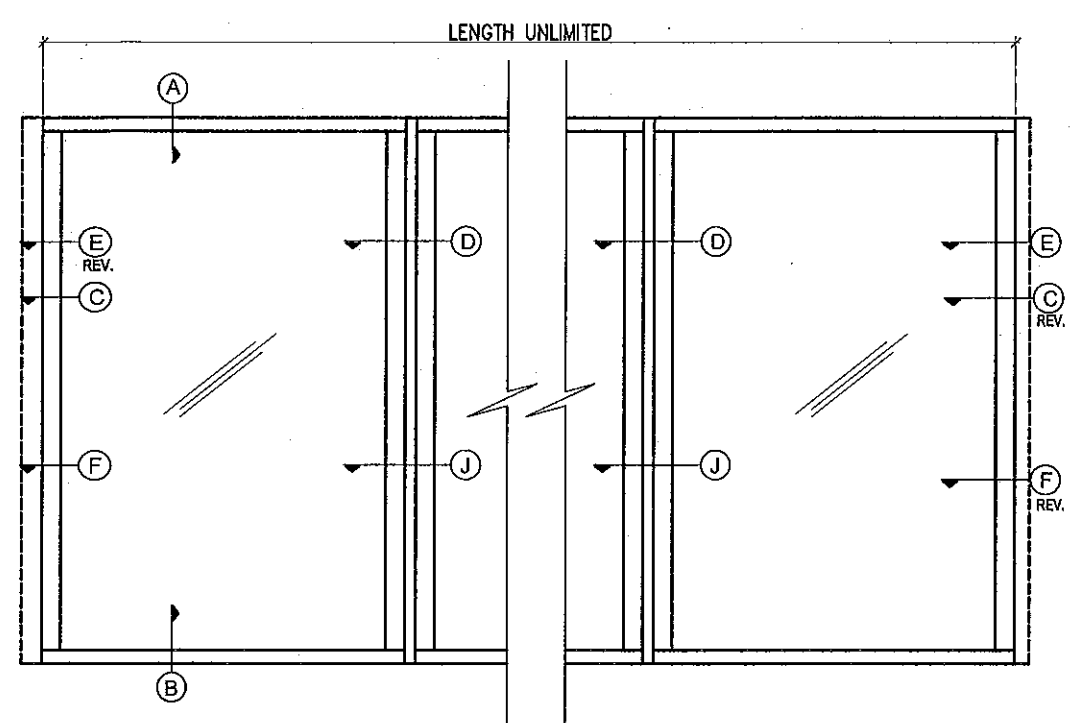
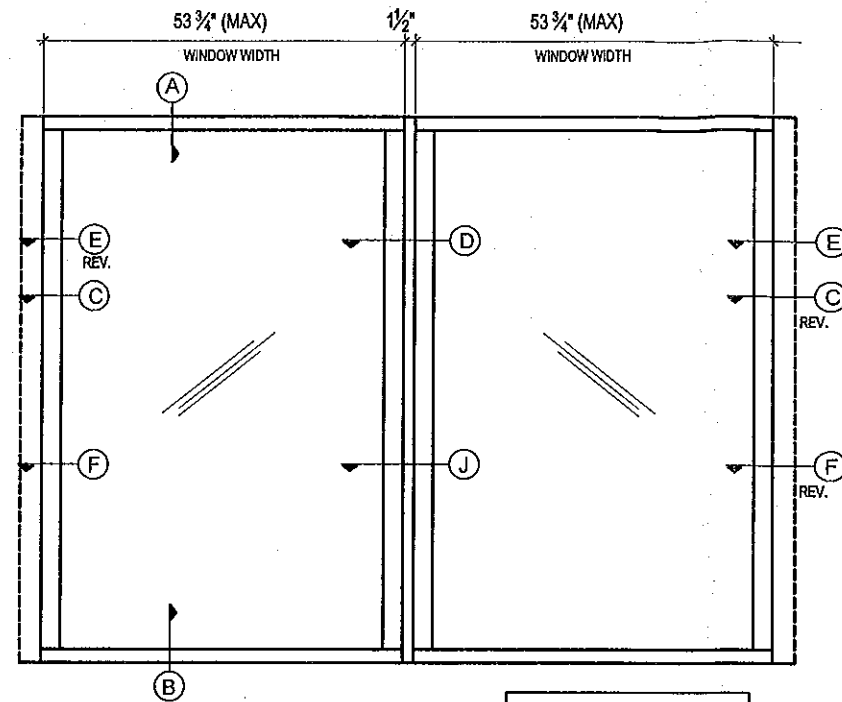
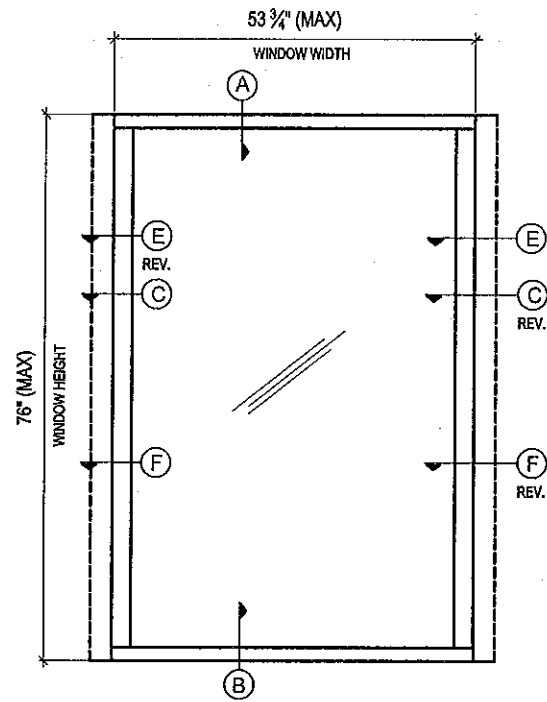
1. THIS FIXED WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2010 (FBC) FLORIDA BUILDING CODE CHAPTER 16 AND 24, UNDER THE SPECIFIC CONDITION SHOWN ON THIS DRAWING. INCLUDING THE HIGH VELOCITY HURRICANE ZONE. REF. AUTH. No. 05107 (LAB. No. 4872) & AUTH. No. 11052 (LAB. No. 6639)
2. ALL EXTRUSIONS ARE ALUMINUM, 6105-T5 WITH A MINIMUM Fy OF 35,000 P.S.I. U.O.N.
3. LARGE MISSILE IMPACT: INSTALLATION UP TO 30 FT ABOVE GRADE WILL NOT REQUIRE A HURRICANE PROTECTION SYSTEM.
4. ALL ANCHORS ARE 5/16" TAP-CON 1 3/4" MIN. EMBEDMENT INTO FILLED CONCRETE BLOCK OR BETTER.
5. SHIMS. USE HARD PLASTIC.
6. A 33% INCREASE IN ALLOWABLE STRESS WAS NOT USED IN THE DESIGN OF ANCHORS
7. APPROVED STRUCTURAL SILICONE:

- A) 795 DOW CORNING
B) SCS 2000 BY GE
C) PROGLAZE SSG BY TREMCO

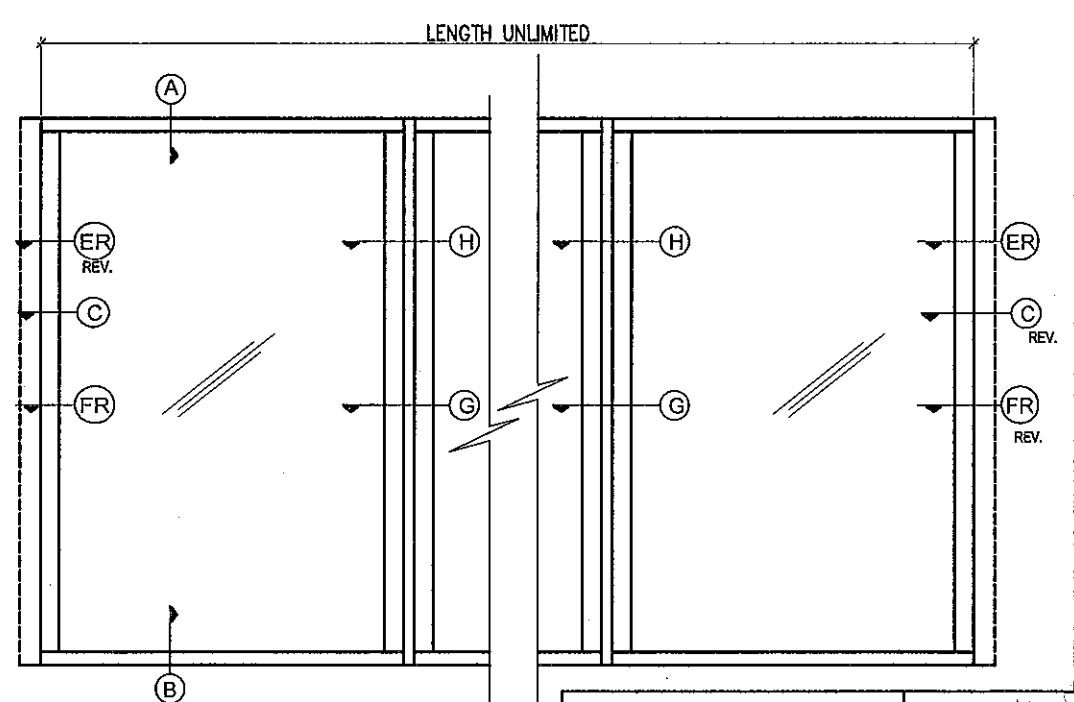
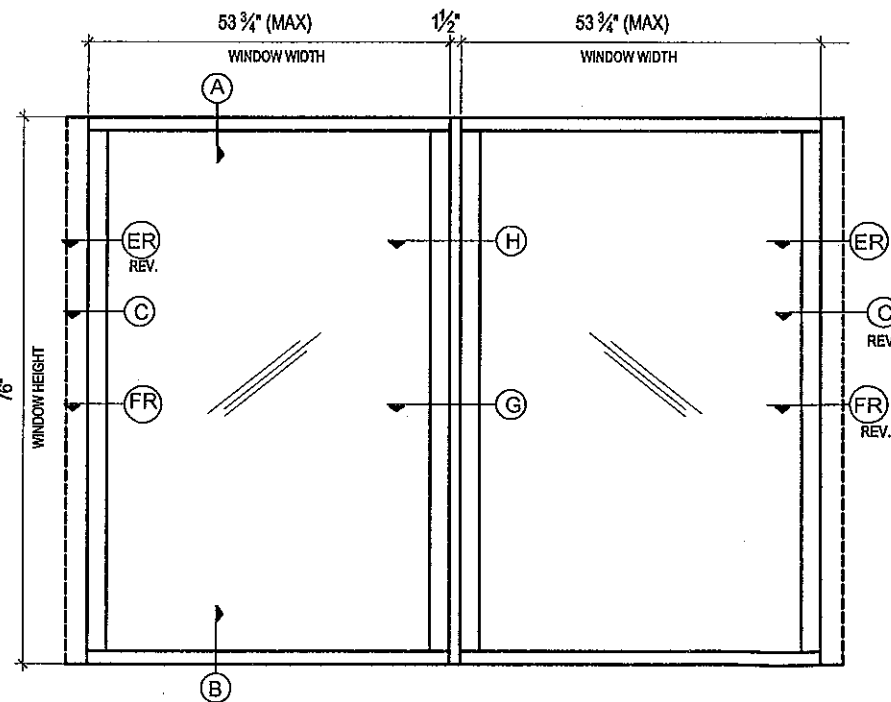
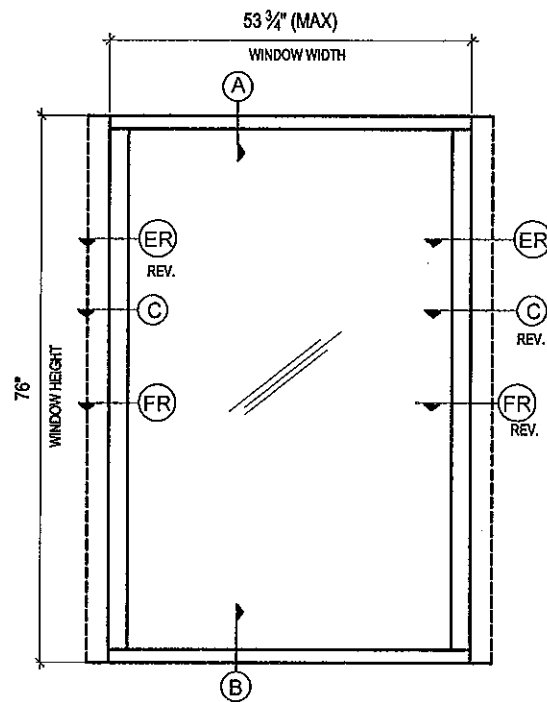


GLAZING
DETAIL

SEAL	ELEVATION
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-1012.06 Expiration Date Oct. 26, 2016 By <i>[Signature]</i> Miami Dade Product Control	KELVYN WHITFIELD, P.E. 1002 NE 116 ST MIAMI, FL 33161 DATE 05/09/12 FLORIDA No-24140 MECHANICAL



+110 PSF
-110 PSF



+110 PSF
-140 PSF

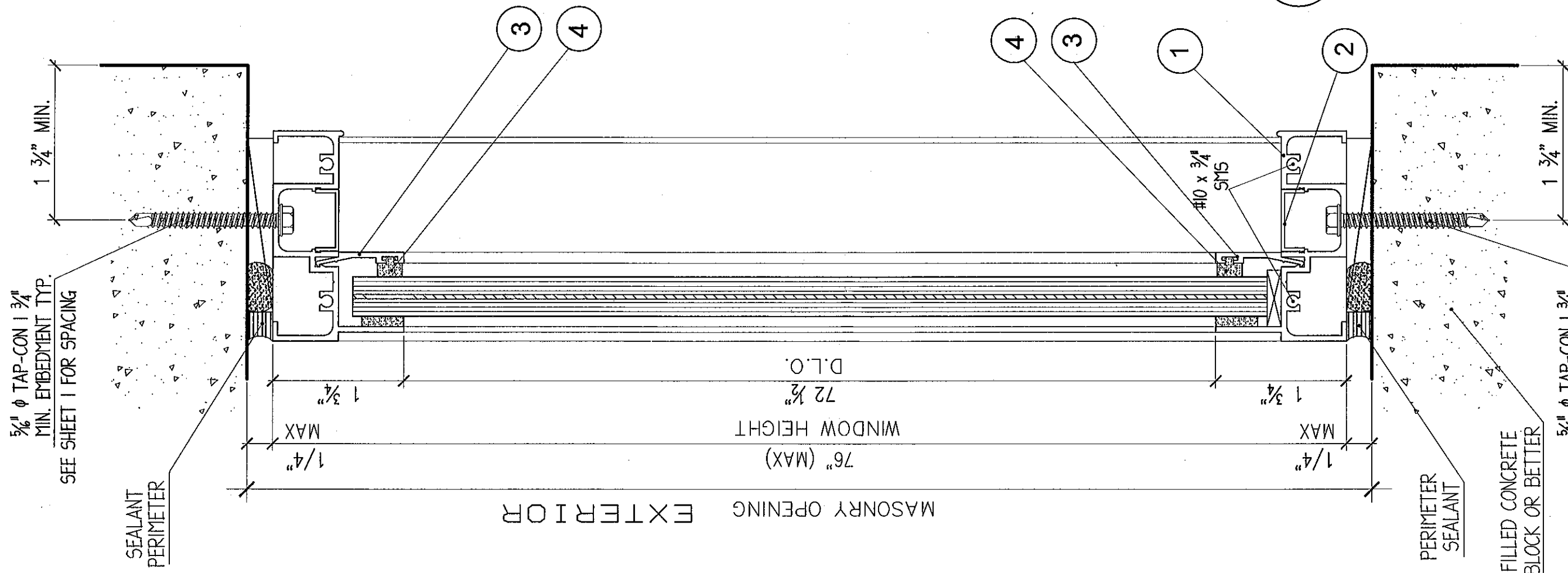
----- DASHED LINE: MULLION
SEE DETAIL

Continental Glass Systems Inc
325 West 74 Place
Hialeah Florida, 33014
Phone 305-231-1101 Fax 305-231-1103

Series 5000
FIXED
LARGE MISSILE

REVISION			
No	Date	By	Description
1	11-19-08		
2	11-15-11	T.S.	RENEWAL
3	03-28-12	M.E.P	RENEWAL
Date 4-18-08			
Scale N.T.S.			
Design by G. S.			
Drawing by RICHARD			
Checked by G. S.			
Drawing No. FXD-5000-S.M.			
Sheet 2 of 7			

SEAL	ELEVATIONS
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-1012.06 Expiration Date 09-26-2016 By <i>Manuel Sosa</i> Miami/Dade Product Control	KELVYN WHITFIELD P.E. 1002' NE 118' ST MIAMI, FL 33161 DATE 05/09/12 FLORIDA No 24140 MECHANICAL

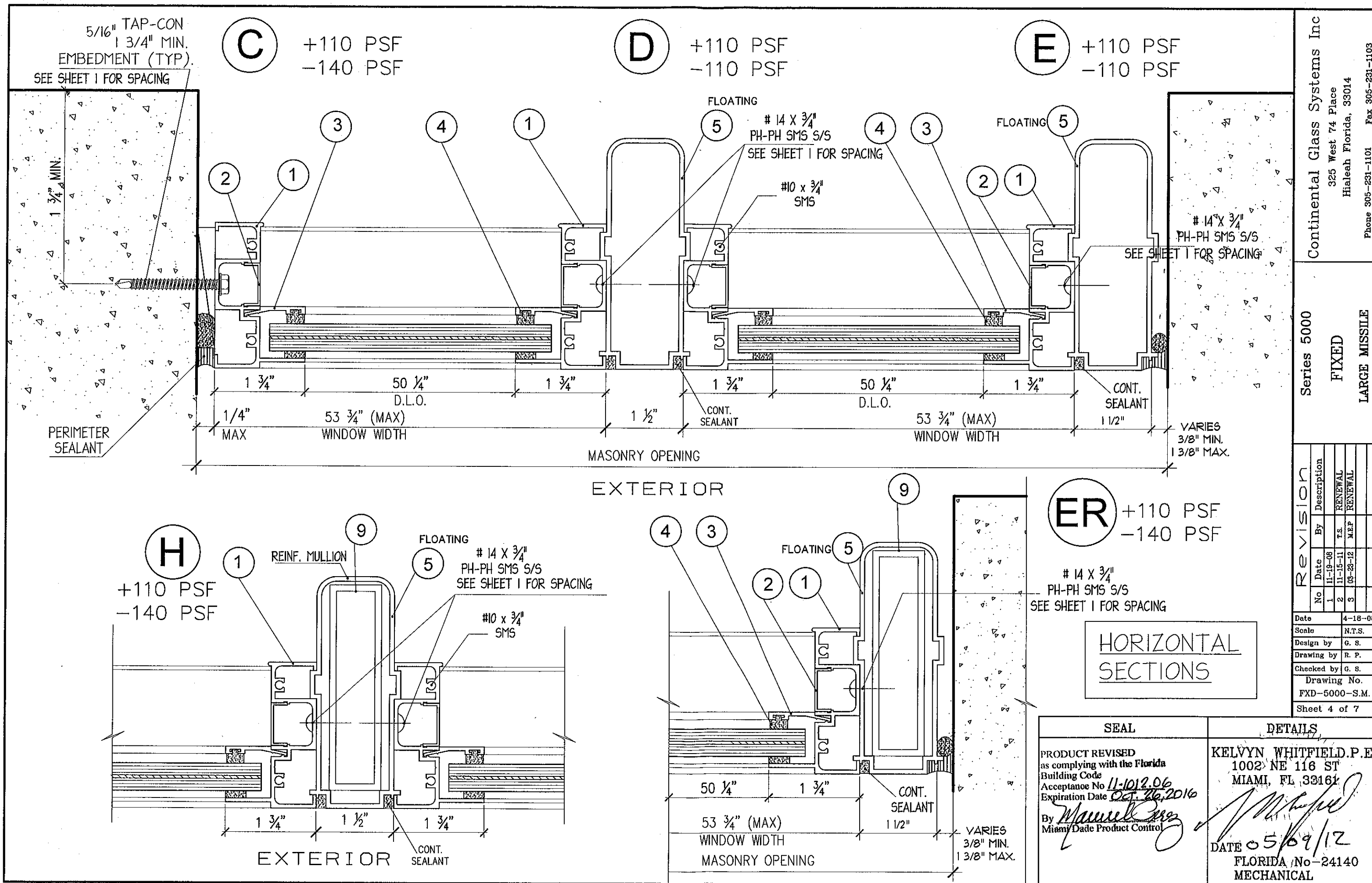


SEAL		DETAILS	
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-1012-06 Expiration Date Oct. 26, 2016 By <i>Manuel Perez</i> Miami Dade Product Control		KELVYN WHITFIELD.P.E. 1002, NE 116. ST MIAMI, FL 33161 <i>Kelvin Whitfield</i> DATE 05/09/12 FLORIDA No-24140 MECHANICAL	

REVISION			
No	Date	By	Description
1	11-19-08		
2	11-15-11	T.S.	RENEWAL
3	03-23-12	M.F.P.	RENEWAL
Date		4-18-08	
Scale			
Design by		G. S.	
Drawing by		R. P.	
Checked by		G. S.	
Drawing No.			
FXD-5000-L.M.			
Sheet		3 of 7	

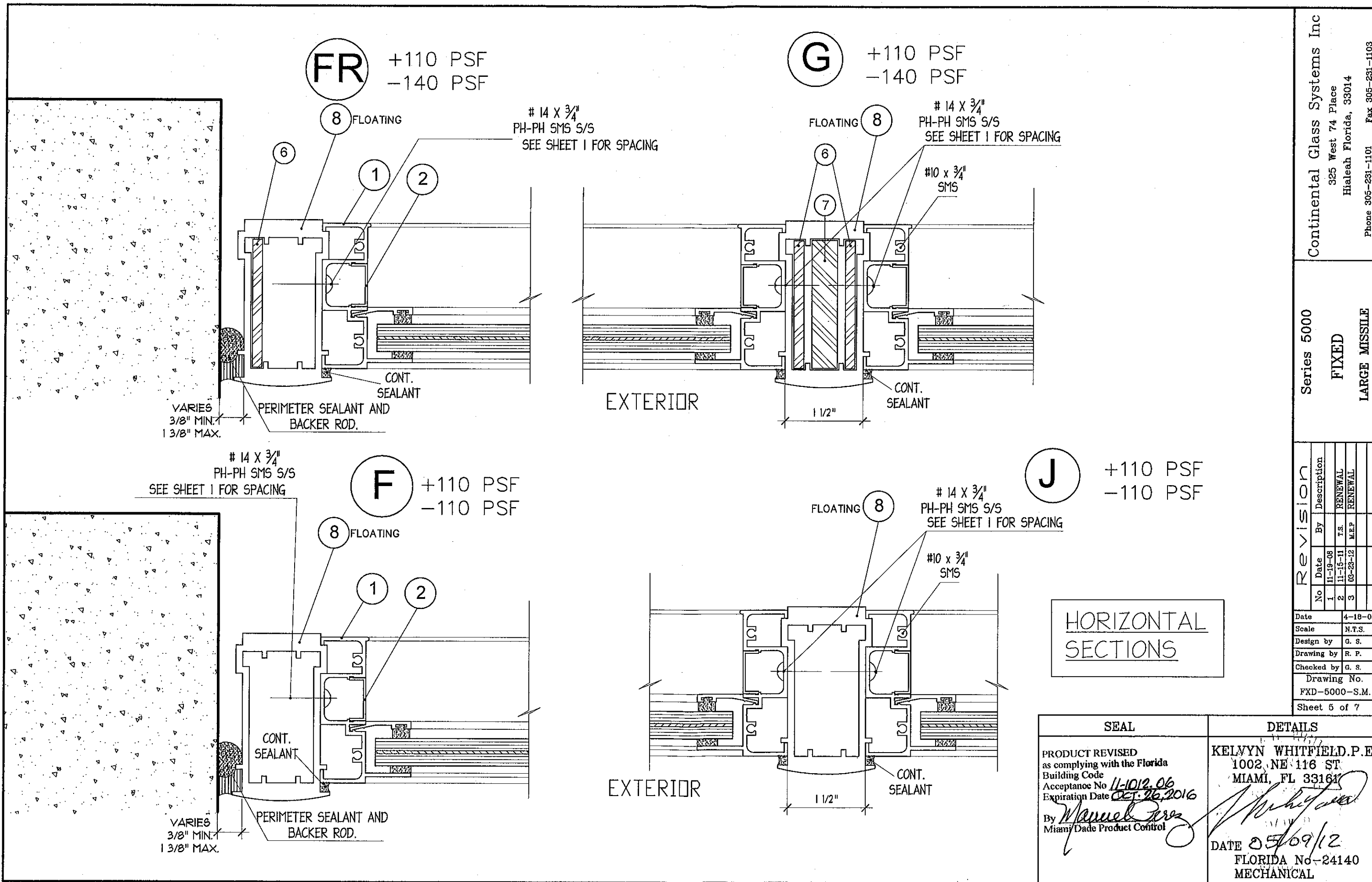
Series 5000
FIXED
LARGE MISSILE

Continental Glass Systems Inc
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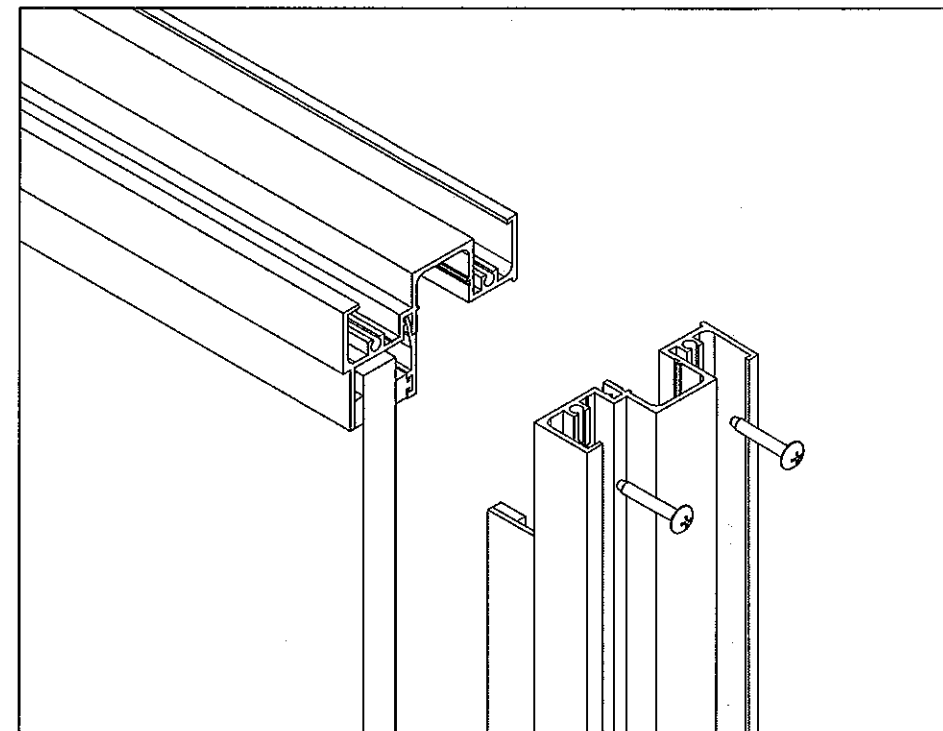
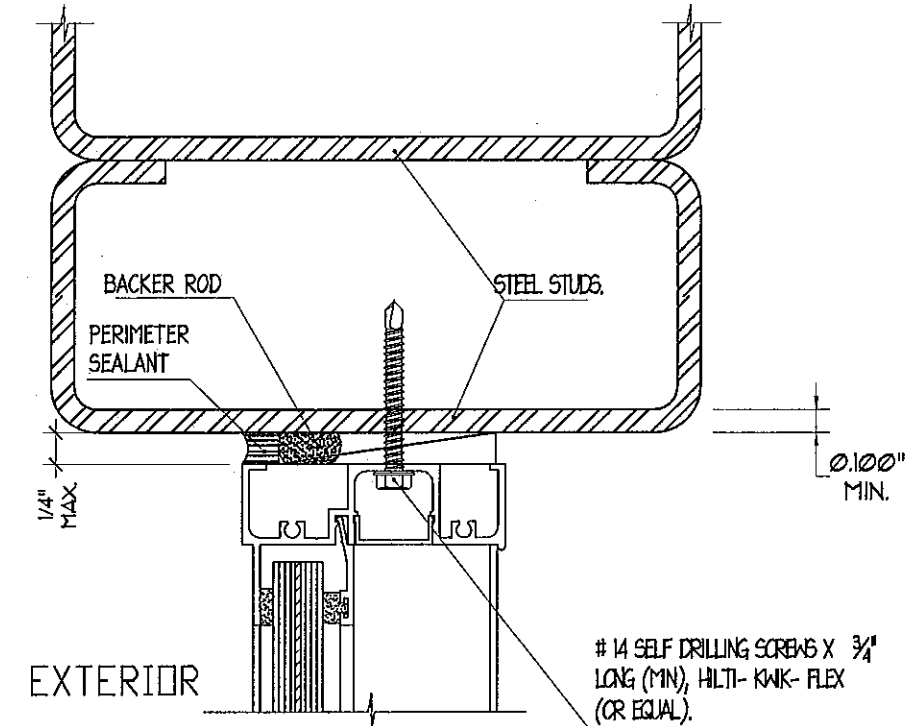
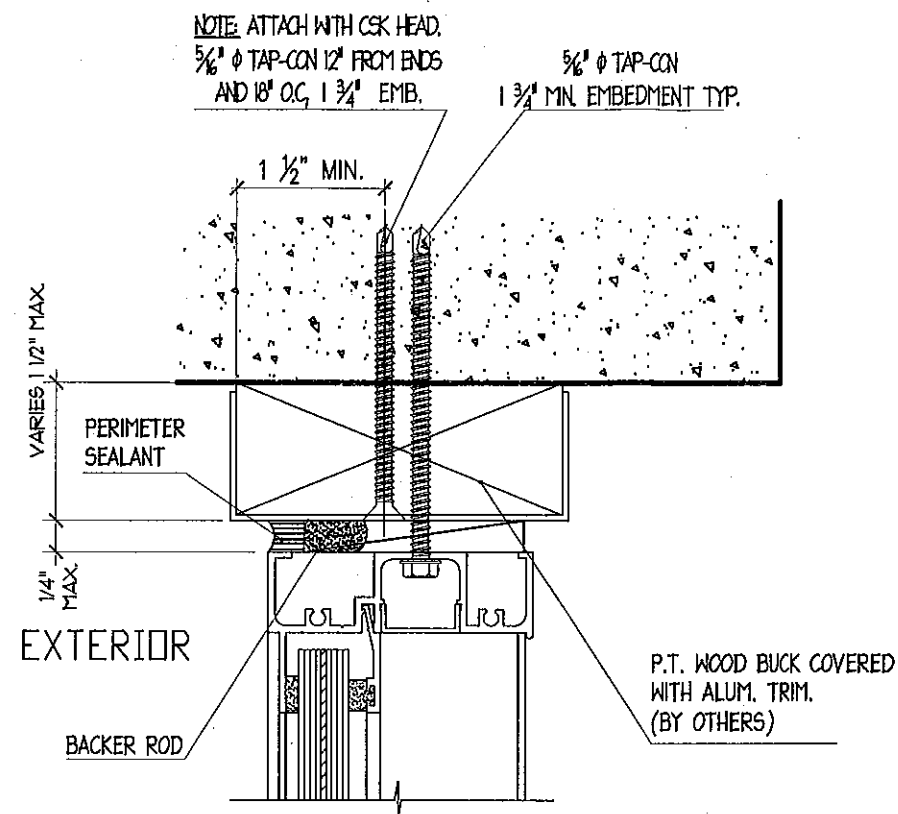
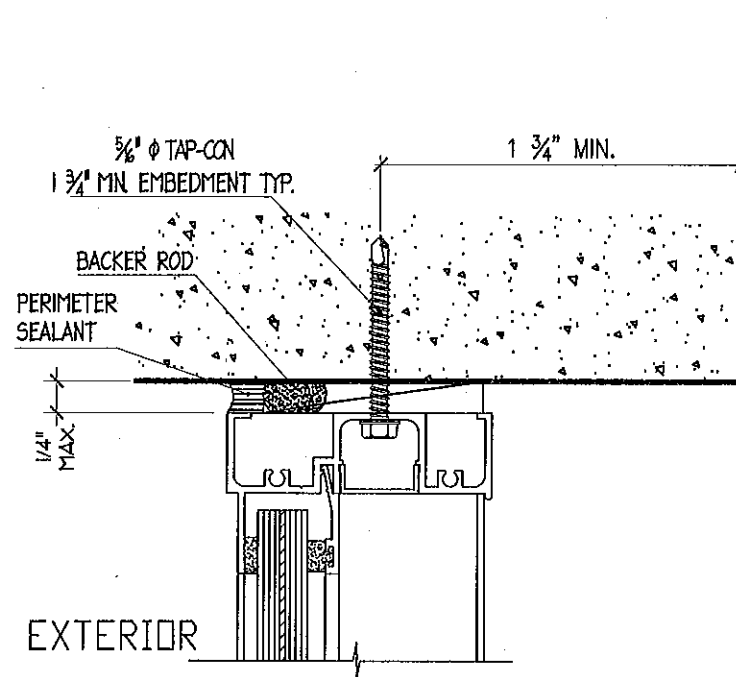


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Series 5000
FIXED
LARGE MISSILE



TYPICAL INSTALLATION WITH CONCRETE, WOOD AND STEEL FOR HEAD, SILL, AND JAMB CONDITIONS.



CORNER DETAIL.

Continental Glass Systems Inc
325 West 74 Place
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Series 5000
FIXED
LARGE MISSILE

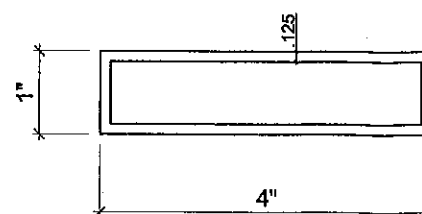
REVISION			
No	Date	By	Description
1	11-19-08	J.S.	RENEWAL
2	11-15-11	M.E.P.	RENEWAL
3	03-23-12		
Date			
4-18-08			
Scale			
N.T.S.			
Design by			
G. S.			
Drawing by			
RICHARD			
Checked by			
G. S.			
Drawing No.			
FXD-5000-S.M.			
Sheet 6 of 7			

SEAL	DETAILS
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-1012.06 Expiration Date OCT. 26, 2016 By <i>Manuel S. [Signature]</i> Miami Dade Product Control	KELVYN WHITFIELD.P.E. 1002 NE 116 ST MIAMI, FL 33161 <i>[Signature]</i> DATE 05/08/12 FLORIDA No-24140 MECHANICAL

FIXED

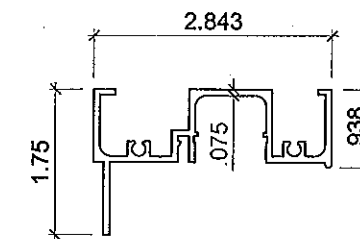
ITEM #	PART #	PART NAME	REMARKS
1	5000-15	HEAD, SILL OR JAMB	FRAME $I_{x-x} = 0.593 \text{ in}^4$
2	5000-16	COVER	FRAME
3	5000-08	GLAZING BEAD	
4	CGS-01	GLASS SPACING	PROTOTYPE PLASTIC EXTRUSION
5	5000-10	MULLION	$I_{x-x} = 2.473 \text{ in}^4$
6	NONE	BAR	$2 \frac{1}{2}" \times \frac{3}{16}"$ ALUM. 6063-T5, $I = 0.244 \text{ in}^4$
7	NONE	BAR	$2 \frac{1}{2}" \times \frac{1}{2}"$ ALUM. 6063-T5, $I = 0.650 \text{ in}^4$
8	5000-14	SMALL MULLION	$I_{x-x} = 2.74 \text{ in}^4$
9	NONE	TUBE	$1" \times 4" \times \frac{1}{8}"$ ALUM. 6063-T5, $I = 2.037 \text{ in}^4$

MULLION REINFORCEMENT
ALUM. TUBE



9

JAMB, HEAD OR SILL



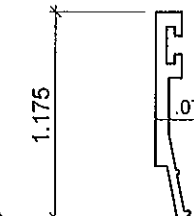
1 5000-15

COVER



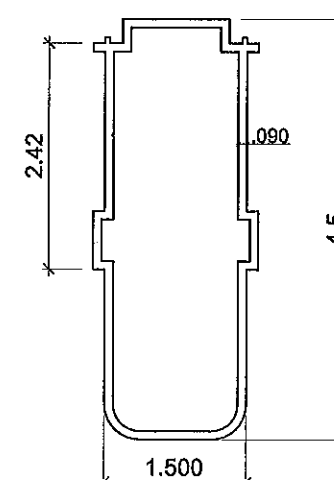
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GLAZING BEAD



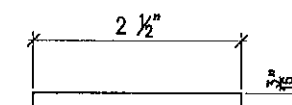
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MULLION



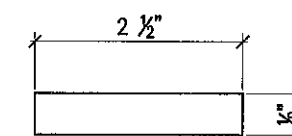
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ALUM. BAR



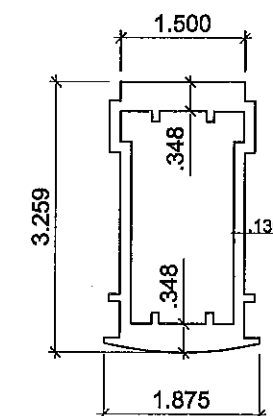
6

ALUM. BAR



7

SMALL MULLION



8 5000-14

SEAL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1012.06
Expiration Date OCT. 26, 2016
By *Manuel Zera*
Miami Dade Product Control

EXTRUSIONS & PARTS

KELVYN WHITFIELD, P.E.
1002 NE 116 ST
MIAMI, FL 33161
DATE 9/5/08/12
FLORIDA No-24140
MECHANICAL

Continental Glass Systems Inc
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Series 5000
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LARGE MISSILE

No.	Date	By	Description
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Date 4-18-08
Scale N.T.S.
Design by G. S.
Drawing by RICHARD
Checked by G. S.
Drawing No.
FXD-5000-L.M.
Sheet 7 of 7